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Office of Educational Improvement and Innovation
Public Service Building
255 Capitol Street NE
Salem, OR 97310-0203
503-947-5600
Fax 503-378-5156
http://www.ode.state.or.us/go/cte/

CTE
Learning that works
for Oregon

Oregon Department of Community Colleges and Workforce Development
Public Service Building
255 Capitol Street NE
Salem, OR 97310-0203
503-378-8648
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Start-Up CTE Program of Study Application
(Perkins Eligibility—30%)
2017 Version

This application is required for all <u>Start-Up</u> CTE Programs of Study. There are two parts to this application.

Part 1 – Must be completed for all Start-Up CTE Programs of Study, even if they are being developed exclusively with local funds. This application will place the program in our list of pending CTE Programs of Study. If the program is not completed within the identified time, it will be removed from that list and a new application must be submitted.

Part 2 – Must be completed for all new CTE Programs of Study where Perkins funds are being requested to develop either the secondary or postsecondary component of the program. If the program is not completed within the identified time, it will be removed from the list of pending CTE Programs of Study and ODE may request return of funds used to develop the program.

PART 1 – Must be completed by secondary <u>and</u> postsecondary partners

CTE Program of Study—General Information	
Proposed Title of Program of Study	Computer Science
Secondary CIP Code: (Link to CIP website)	11.0701 (6 digit)
Community College CIP Code: (Link to CIP website)	52.1201 (6 digit)
Career Cluster	AIC--Information Communications Technology
Focus Area (if applicable)	Programming and Software Development

Secondary School Name:	Mountainside High School
Secondary School ID Number: (Link to ID lookup)	TBD
Secondary Teacher Name	TBD
Secondary Teacher Licensure	TBD

Oregon Community College Name:	Portland Community College PCC Sally Earll sally.earll@pcc.edu
Community College Award:	Associate of Applied Science
Program Contact Name:	Michele Maxwell
Department, division, etc.:	Computer Information Systems
Phone: 971-722-4096	Email : michele.maxwell@pcc.edu

Regional Coordinator/Contact:	2A--Beth Molenkamp elizabeth.molenkamp@pcc.edu

CTE POS Course Lists—Secondary

Directions:
  1) Please list below the **anticipated** CTE Program of Study secondary courses in which the instructor will:
   • Teach with intent and purpose the CTE POS knowledge and skills identified in the CTE POS Skill Set, and
   • Assess and record student achievement of those standards
  2) Mark as "TSA" those courses that **will be** necessary for students to take before they are required to take the Technical Skill Assessment for this POS.
  Note: Additional CTE courses may be listed (and supported with Perkins funds) if they support the identified skill set; but do not mark those as "TSA" Required"

Secondary Core CTE Courses (Please be complete; this information will be entered into the CTE Program Update database and all fields are required)

TSA* Required	School Course #	Secondary Course Name	# of Credits	5-digit NCES Code	Course Description (brief) (boxes below will expand)	Articulating College (if applicable)	College Course #	College Course Name
☐	A445X	Computer Game Design 1	.5	10160	Students will develop all aspects of a simple computer game including story, art and documentation. This class covers the development process and career paths. Students use the GameMaker software to create 2D computer games.	Select College		
☒	A446X	Computer Game Design 2	.5	10160	Students use the GameMaker Language to create more advanced computer games including first person/3D and network games. This class prepares you to take Java Programming and Computer Science Design.	Select College		
☐	A562X	Robotics	.5	21009	Students in Robotics 1 use the Lego EV3 Mindstorms set to build and program interactive robots. Students learn elements of design, engineering, and programming by building and controlling robots that use sophisticated sensors to interact with	Select College		

					their environment. This is a project-oriented hands-on course that does not require previous building or programming experience.			
☐	A563X	Robotics 2	.5	21009	students expand on their engineering and programming skills. They will program Lego EV3 robots using Mindstorms and RobotC. This is a project-oriented hands-on course. The level of complexity means that students need some experience with engineering and programming before entering the class. This class prepares you to take Java Programming and Computer Science Design.	Select College		
☐	A431X	Web Design	.5	10201	This course focuses on the tools and skills needed to create cutting edge web pages. Students will learn to handcraft their own pages with HTML. CSS (Cascading Style Sheets) are used to position and color content on pages. Finally, interactive content will be created through the use of JavaScript.	Select College		
☒	A459	Java Programming	1.0	10155	ava Programming courses provide students with the opportunity to gain expertise in computer programs using the Java language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. Topics covered in the course include syntax, I/O classes, string manipulation, and recursion.	Select College		
☐						Select College		
☐						Select College		
☐						Select College		
☐						Select College		
☐						Select College		
☐						Select College		
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☐						Select College		
☐						Select College		

*TSA required—Technical Skill Assessment required course—required courses that, when completed, trigger TSA assessment eligibility for the student

CTE POS Course Lists—Post-Secondary (optional for Start-ups)

Post-secondary Core CTE Courses:
- *Enter the <u>name of the anticipated college program</u> that will be the postsecondary component of this POS*
- *Select the <u>highest level</u> of this component offered by the college*
- *List the courses anticipated to be <u>included in the Course/Skill Set crosswalk matrix (entry level courses)</u>*

Name of Certificate or Degree Program	Enter name of college program		
Highest award available in Program:	Select certificate or degree		
College Course #	**Post-Secondary Course Name**	**Number of Credits**	**Accelerated College Credit/College Now?**
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			☐
			☐
			☐

PART 2 – This documentation must be submitted by the secondary and postsecondary components if Perkins funds will be requested for the development of the CTE POS.

Important: To be eligible for Perkins POS development funds, a program component:
1. Must not have existed in the school or college within the last three years
2. Must be designed to meet local demand for High Demand/High Wage careers
3. Must have at least 70% resource support from the local district or community college

Attachments:

1. **Short-term Budget** – Attach a detailed proposed budget for development of the CTE Program of Study during the first year. Include all resources that will be used. **

2. **Long-term Budget** – Identify the estimated total funds that will be used to support the continued development of the program during years two and three. **

3. **Plan** – Provide brief bulleted list of planned activities that will move the development of the program to a CTE Program of study over a period of no more than three years. This list should address all core elements of a CTE Program of Study: 1) content and standards, 2) alignment and articulation, 3) assessment and evaluation, 4) student support services, and 5) professional development.

4. **Sustainability** – Briefly describe how this program will be sustained once it has been approved. Please include a description of the planned use of Perkins funds for enhancement of student learning opportunities.

** As a rule, Perkins grant funds can be used for only 30% of the development costs. Perkins funds may only be used for allowable costs. See FAQ for more information.

Assurances	
(Proposed Joint Submission Date must be within 3 years of application)	
Name of School	Mountainside High School
Name of Program	Computer Science
Proposed Joint Submission Date: deadline for secondary and postsecondary components	6/30/2017

Signatures: By signing below, the appropriate representatives agree to work collaboratively to create the above CTE Program of Study within the timeline identified by the Proposed Joint Submission Date above.

ODE must approve the use of Perkins funds to develop new Programs of Study that are not on our current list of approved CTE programs. ODE will only consider doing so if 1) the new program has not been offered in the secondary school or community college over the past 3 years, 2) it meets a high wage, high demand economic/workforce need (as identified by the Oregon Department of Labor), and 3) it has financial support from the district or community college.

If this request to start up a new CTE POS is approved, the program must become a CTE Program of Study within no more than three years, and Perkins funds can be used to support no more than 30% of program development costs.

If the program does not become a CTE Program of Study in the approved time, all Perkins funds used to support that development may be required to be returned.

Secondary Administrator		Date:
Postsecondary Administrator		Date:
Regional Coordinator		Date:

FOR ODE USE ONLY			
Approval Status:	☐ Approved	☐ Not Approved	
ODE Specialist	_____ Printed Name	_____ Signature	_____ Date:

Attachments:

Attach documentation of labor market need for each new component of the CTE Program of Study:

- Post-secondary component: Attach a copy of recent LMI (within last 3 years). If information is older than 3 years, submit new data which can be found at http://www.qualityinfo.org/olmisj/OlmisZine .

- Secondary component: Attach a letter of support written and signed by members of a local industry advisory committee, or signed by a shared secondary-postsecondary advisory committee.

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